Claims

1. A mechanical-type watch movement (24), comprising a frame and, supported by this frame:
   - a work train comprising a plurality of wheels and periodically driven in rotation by a driving element,
   - a mobile animated by a pulsed movement,
   - an animation part (22) intended to be visible and arranged in such a way as to be animated by a periodic movement,
   - a control element (44, 46) for the animation part, and
   - an animation train (38) in mesh with a mobile (30) of the work train and driving the control element (44, 46),

   characterized in that the animation train, the control element and the animation part are arranged in such a way that the periodic movement has a sinusoidal oscillation movement.

2. The movement as claimed in claim 1, characterized in that it further comprises an elastic element (46c) interposed between said mobile (30) and said part (22), arranged in such a way as to smooth out the movement of the animation part (22).

3. The movement as claimed in claim 2, characterized in that the animation train (38) is connected to the work train by its seconds mobile (30) and is arranged in such a way as to accelerate the rotation speed of the seconds mobile (30) toward the mobile (44) cooperating with said part *(22).*

4. The movement as claimed in claim 3, characterized in that said animation part (22) oscillates at a frequency ranging between 0.2 and 2 Hz.

5. The movement as claimed in claim 2, characterized in that it additionally comprises a lever (46), in that the last mobile of the animation train (44) comprises a board (44c), and in that the animation part (22) and said board (44c) are equipped with eccentrically disposed connecting means (22e, 44e) arranged so as each to be connected to one of the ends of the lever.

6. The movement as claimed in claim 5, characterized in that said lever has, over at least a part of its length, an elastically deformable structure (46c), arranged in such a way as to form said elastic element.

7. The movement as claimed in claim 2, characterized in that said elastic element elastically connects two coaxially disposed mobiles of said animation train.

8. The movement as claimed in claim 7, characterized in that said elastic element forms, with the animation part (22) and the mobile(s) of the train interposed between that which cooperates with the animation part and that which is connected to the elastic element, an oscillating system, the period of which ranges between that which is defined by the periodicity of the advancement of the work train and that of the alternating movement of said part.

9. The movement as claimed in claim 1, characterized in that said animation part (22) is mounted pivotably on the frame and its center of gravity is located substantially on its pivot axis.

10. The movement as claimed in claim 1, characterized in that the frame comprises:

- a first plate and a first bridge, between which pivot the mobiles of the work train, and
- a second plate (34) on which pivot the mobiles of the animation train (38) and the animation part (22), the plate (36), the animation train (38) and the animation part (22) together forming an independent module (32) which can be fixed by the second plate (34) onto the first plate.